

Comp9322 Dentist Chatbot

z5109140 Yue Xiong

Prerequisite

docker,python, wit.ai, swagger, react

you may need “cd chatbotfront”, and “npm start”, “npm audit fix”, when you open frontend chatbotfront.

API document: Ask which is chatbot<http://0.0.0.0:5001/static/swagger-ui/index.html#/Ask/>, Timeslot<http://0.0.0.0:5003/static/swagger-ui/index.html#/>, Dentist<http://0.0.0.0:5008/static/swagger-ui/index.html#/>

Functions:

1. Basic Greeting.

You can type: hi, hello, Hello, nice to see you~

The screenshot shows the wit.ai interface for a project named 'Dentist'. The user 'yuexiongChris' is logged in. The 'greeting' trait is selected from a list of traits. Below the traits, there is a section for 'Expressions' with a filter set to 'greeting'. The expressions list contains three items: 'hi', 'hello', and 'Hello, nice to see you~'. Each item has a search icon and a delete icon (x). At the bottom, there is a 'See More' button.

Expressions	Filter by:
“ Search through your expressions.	greeting
Text	
“ hi x	
“ hello x	
“ Hello, nice to see you~ x	

Chatbot

message:

hi

ADD

Chatbot:

hello, Nice to see you!

The chatbot will return you the message.

2. Provide all the available timeslots.

You can ask it , “I want to book an appointment”

Chatbot

message:

I want to book an appointment

ADD

I want to book an appointment

I want to book 8 appointment with Joshson

I want to cancel 40 appointment with Joshson

I want to cancel 8 appointment with Joshson

I want to get the status of 1 appointment

I want to have an dentist

Chatbot

message:

I want to book an appointment

ADD

Chatbot:

- timeslotid:1, timeslot status: available, time: 2019-04-08 9:00-10:00
- timeslotid:2, timeslot status: available, time: 2019-04-08 10:00-11:00
- timeslotid:3, timeslot status: available, time: 2019-04-08 11:00-12:00
- timeslotid:6, timeslot status: available, time: 2019-04-08 16:00-17:00
- timeslotid:8, timeslot status: available, time: 2019-04-09 10:00-11:00
- timeslotid:11, timeslot status: available, time: 2019-04-09 15:00-16:00
- timeslotid:16, timeslot status: available, time: 2019-04-11 14:00-15:00
- timeslotid:17, timeslot status: available, time: 2019-04-11 15:00-16:00
- timeslotid:18, timeslot status: available, time: 2019-04-11 16:00-17:00
- timeslotid:19, timeslot status: available, time: 2019-04-10 9:00-10:00
- timeslotid:20, timeslot status: available, time: 2019-04-10 10:00-11:00
- timeslotid:21, timeslot status: available, time: 2019-04-10 11:00-12:00
- timeslotid:23, timeslot status: available, time: 2019-04-10 15:00-16:00
- timeslotid:24, timeslot status: available, time: 2019-04-10 16:00-17:00
- timeslotid:25, timeslot status: available, time: 2019-04-12 9:00-10:00
- timeslotid:30, timeslot status: available, time: 2019-04-12 16:00-17:00
- timeslotid:36, timeslot status: available, time: 2019-04-10 13:00-14:00
- timeslotid:38, timeslot status: available, time: 2019-04-11 13:00-14:00
- timeslotid:40, timeslot status: available, time: 2019-04-12 13:00-14:00

It would give you all the available timeslots.

3. Book an appointment with dentist.

You can type "I want to book 1 appointment with dentist "

Note: You need to know the id of the timeslot you want to book.

Chatbot

message:

I want to book 3 appointment with dentist

ADD

Chatbot:

id: 3, name: Joshson, time: 2019-04-08 11:00-12:00, status: booked, .

If the timeslot has booked before. It would remind you with a message. "the timeslot booked."

Chatbot

message:

I want to book 2 appointment with Joshson

ADD

Chatbot:

This timeslot booked.

4. Cancel the appointment.

You can type " I want to cancel 1 appointment"

The chatbot would return the new status of the appointment.

Chatbot

message:

Chatbot:

id: 8 , name: Joshson , time: 2019-04-09 10:00-11:00 , status: available , .

5. Get all the dentists information.

You can type "What are the information of all the dentists", or "I want to have an dentist"

Chatbot

message:

what are the information of all dentist

ADD

Chatbot:

*****1. name: Joshson, phone: 414037789, location: Kingsford 243, specializaton: Paediatric Dentistry, time: Monday Tuesday Firday 9:00-10:00 10:00-11:00 11:00-12:00 2:00-3:00 3:00-4:00 4:00-5:00, *****2. name: Chris, phone: 414896788, location: Randwick 346, specializaton: Orthodontics, time: Wednesday Thurday 9:00-10:00 10:00-11:00 11:00-12:00 2:00-3:00 3:00-4:00 4:00-5:00, *****3. name: Andonis, phone: 414895558, location: Kensington 224, specializaton: Oral Surgery, time: Monday Tuesday Wednesday Thurday Friday 12:00-1:00 1:00-2:00 3:00-4:00 4:00-5:00,

6. Get the preferred dentist information.

You can type “ what is the information of Joshson ” **Note:** You need know the dentist name.

Chatbot

message:

what is the information of Joshson

ADD

Chatbot:

name: Joshson, phone: 414037789, location: Kingsford 243, specializaton: Paediatric Dentistry, time: Monday Tuesday Firday 9:00-10:00 10:00-11:00 11:00-12:00 2:00-3:00 3:00-4:00 4:00-5:00,

7. Get the preferred dentist timeslots.

You can type “when can I meet with Chris”, The chatbot will give you the available timeslots of Chris.

Chatbot

message:

when can I meet with Chris

ADD

Chatbot:

*****1. id: 19, name: Chris, time: 2019-04-10 9:00-10:00, status: available, *****2. id: 20, name: Chris, time: 2019-04-10 10:00-11:00, status: available, *****3. id: 21, name: Chris, time: 2019-04-10 11:00-12:00, status: available, *****4. id: 23, name: Chris, time: 2019-04-10 15:00-16:00, status: available, *****5. id: 24, name: Chris, time: 2019-04-10 16:00-17:00, status: available, *****6. id: 25, name: Chris, time: 2019-04-12 9:00-10:00, status: available, *****7. id: 30, name: Chris, time: 2019-04-12 16:00-17:00, status: available,

8. The last but not the least. Get available dentists at specific time. You can type "Which dentist have time on Monday" the chatbot will make the time into Date type, Monday is 2019 -04-08, You can also type ". "Which dentist have time on 2019-

04-08.

Chatbot

message:

which dentist have time at Monday

ADD

Chatbot:

*****1. id: 3, name: Joshson, time: 2019-04-08 11:00-12:00, status: available, *****2. id: 6, name: Joshson, time: 2019-04-08 16:00-17:00, status: available,
